

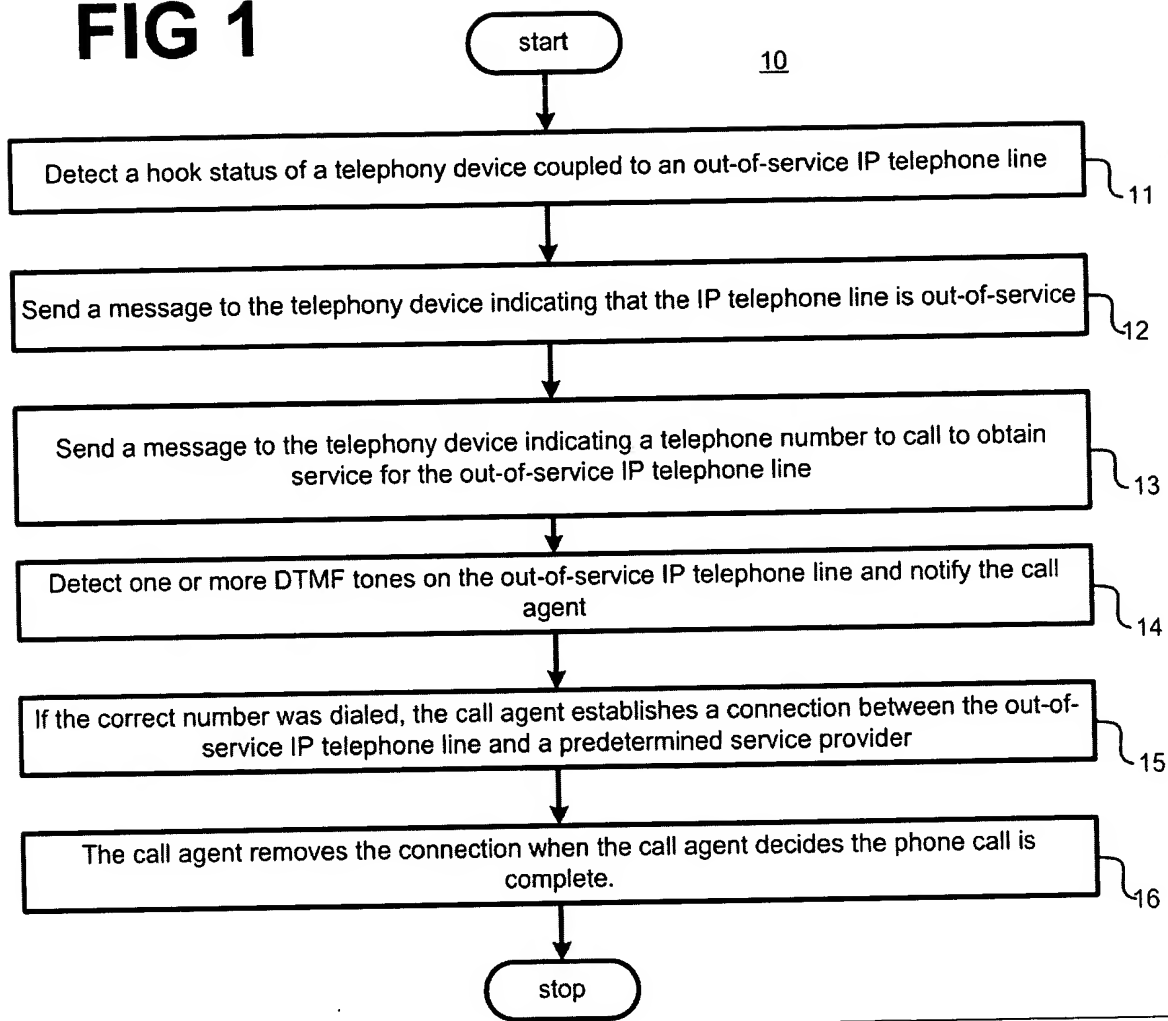
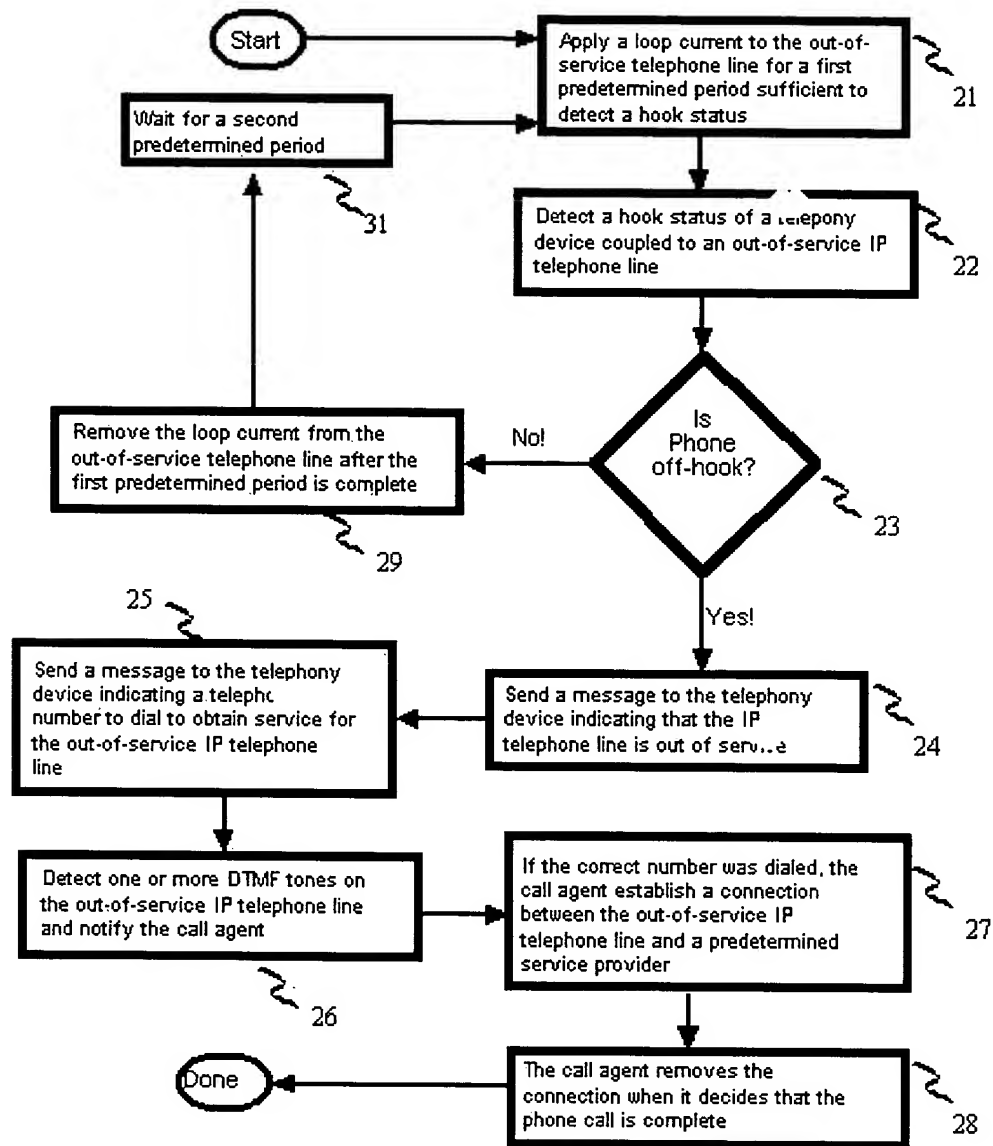
**FIG 1**

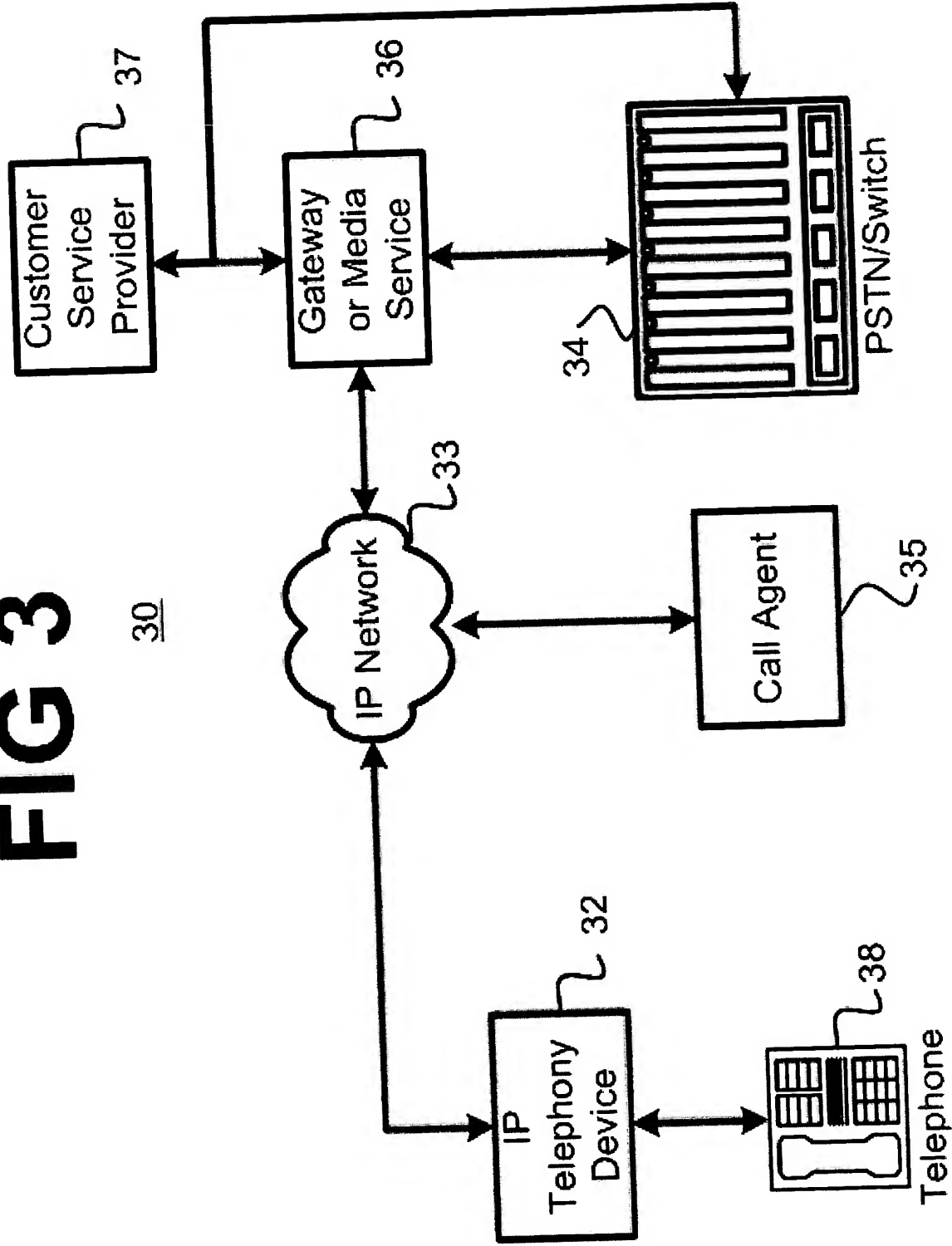
FIG 2

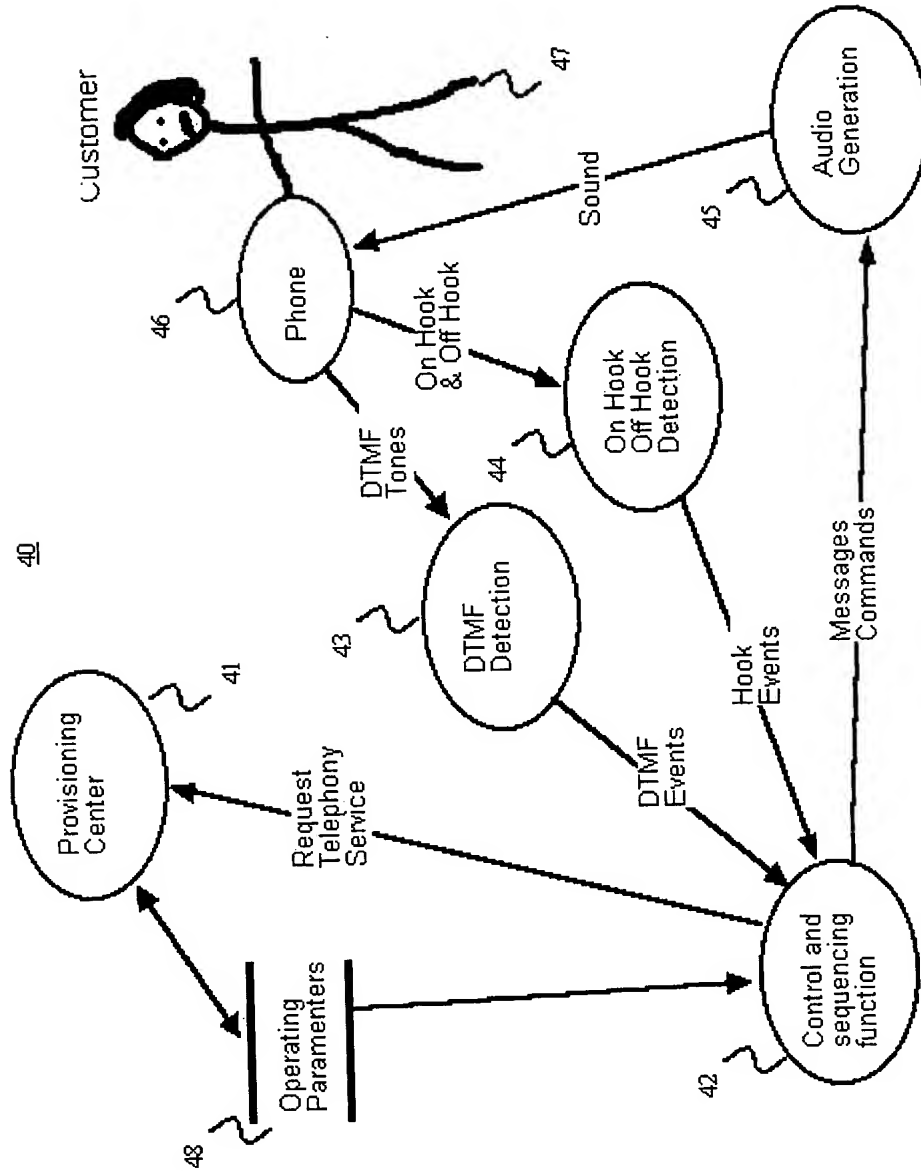
20



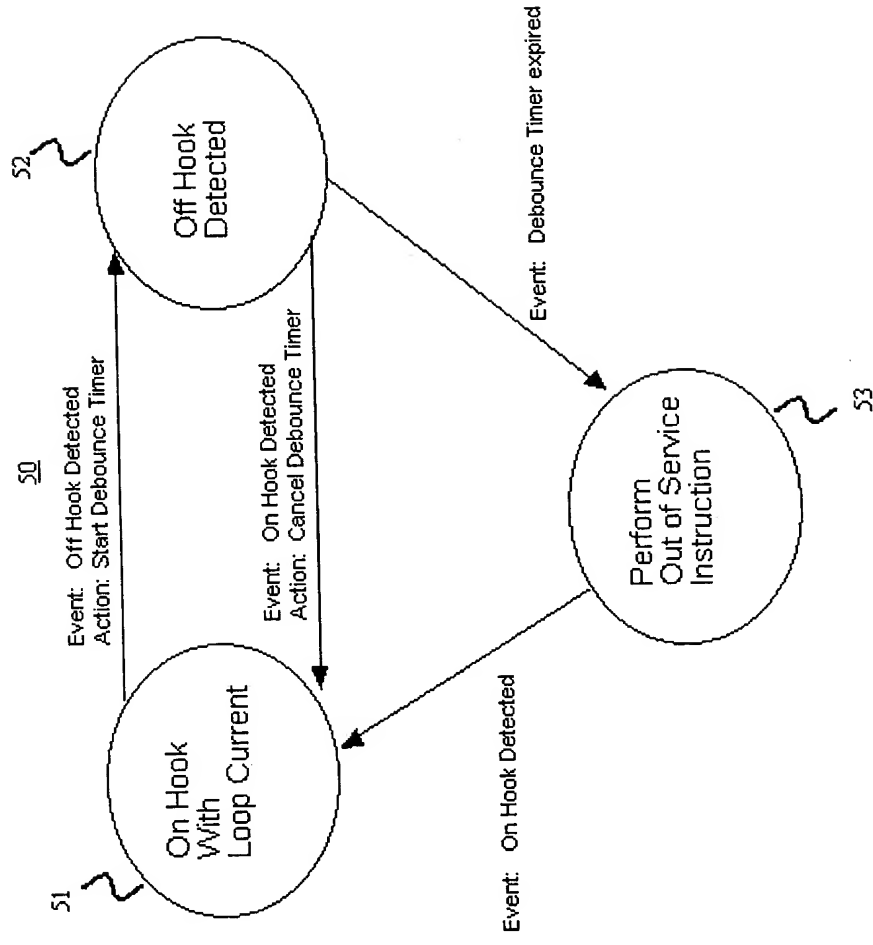
# FIG 3

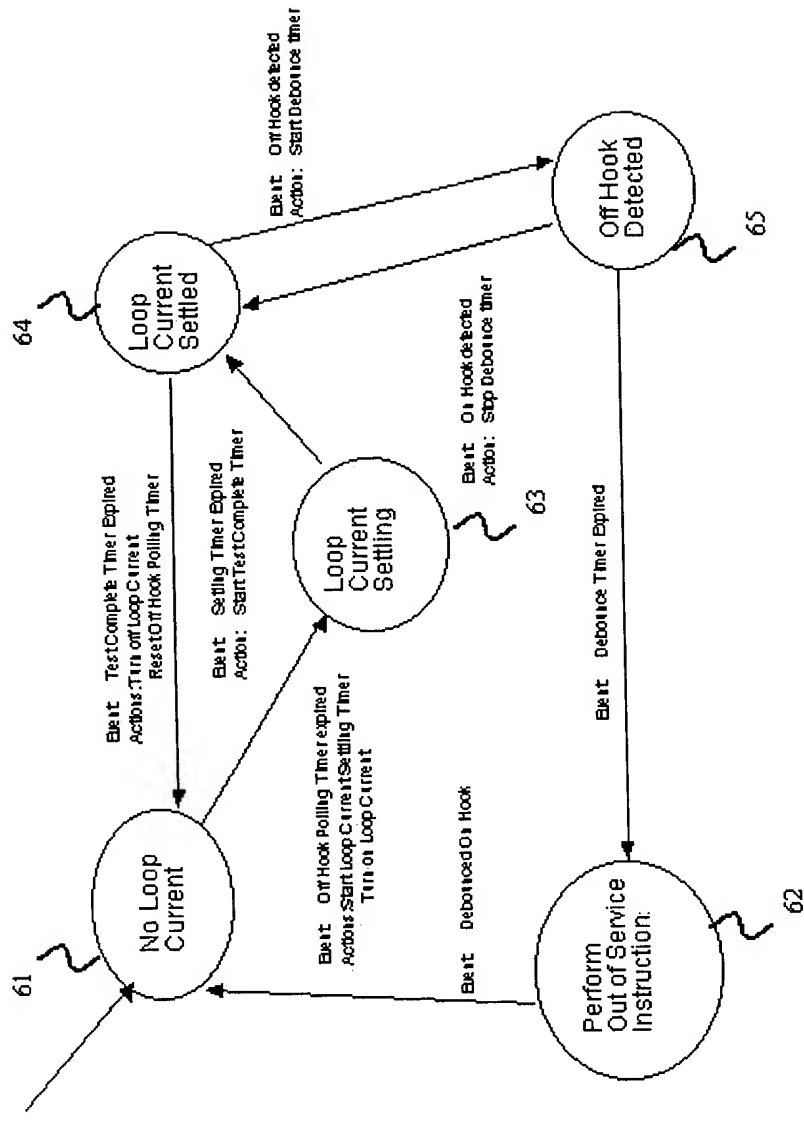
30





**FIG 4 – System Data Flow Diagram**

**FIG 5 – Normal Hook Status Detection State Machine**



**FIG 6 – Power Savings Hook Status Detection State Machine**